BURNS, DOANE, SWECKER AND MATHIS LLP
A[redacted]. FILING DATE: MAY 1, 2001
T[redacted]: IMAGE PROCESSING FOR BINARIZATIO[redacted]
ATTORNEY DOCKET NO: 018775-827 9 SHEETS

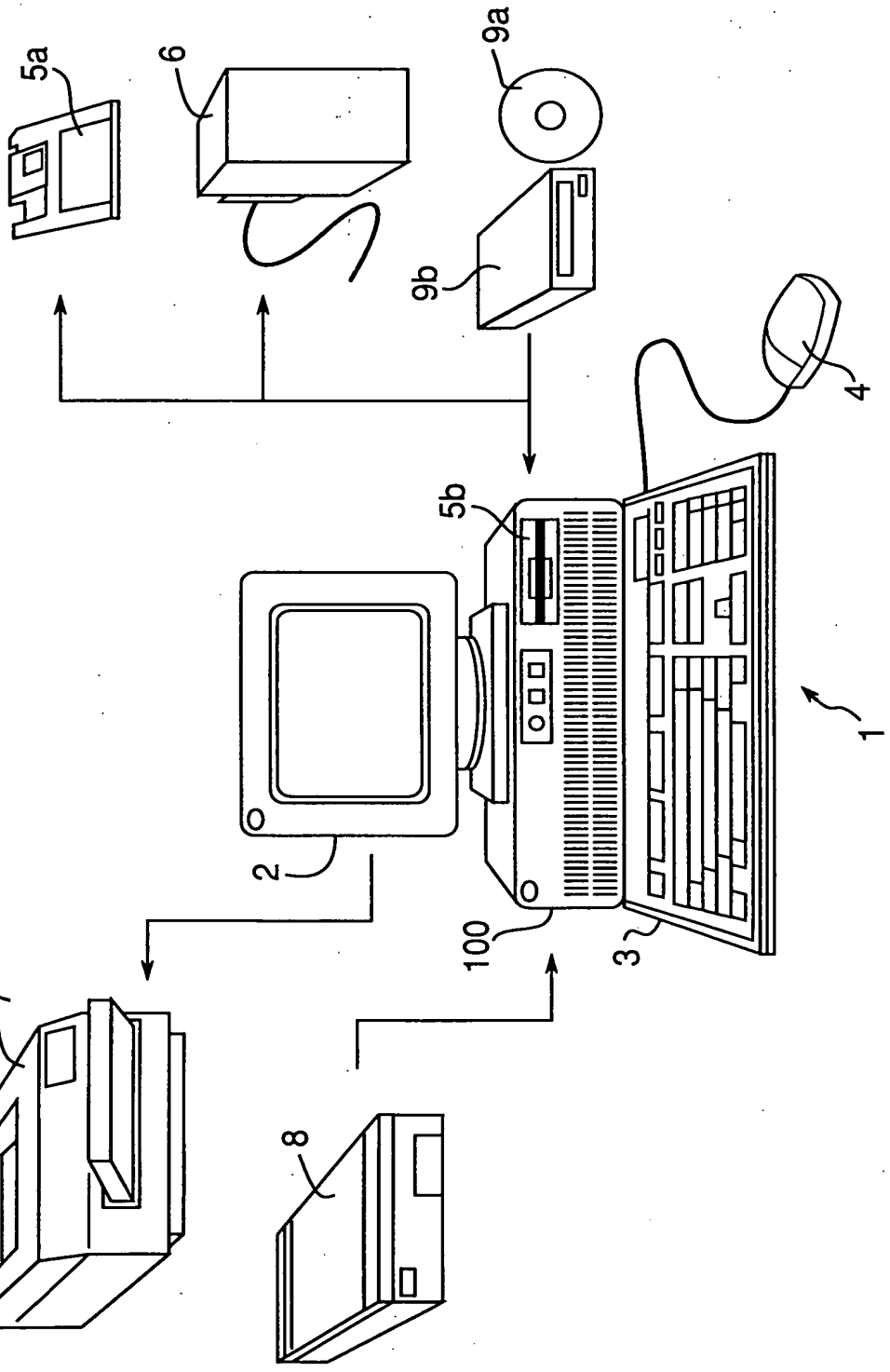
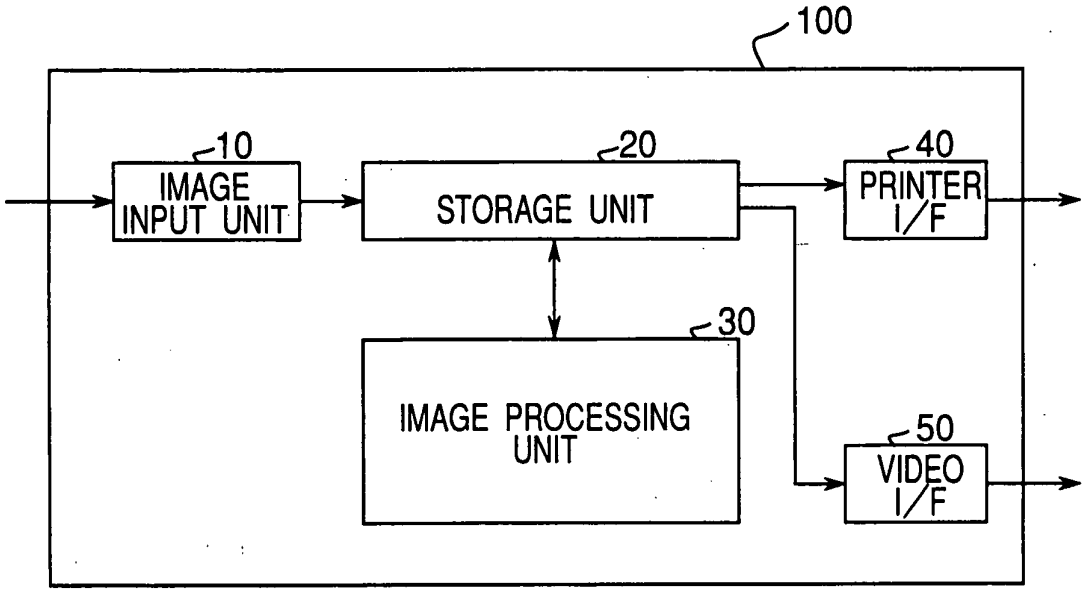


Fig.1

TOTO50"6hE5h360

Fig.2



EP 0 950 974 A2

Fig.3

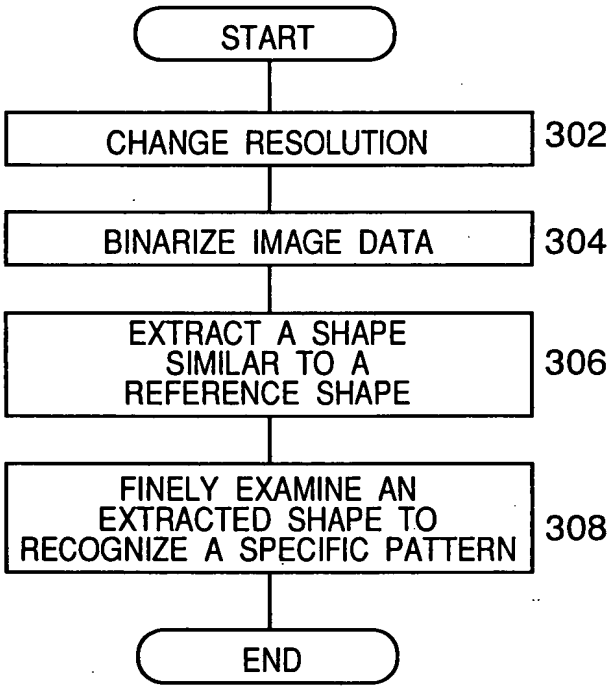
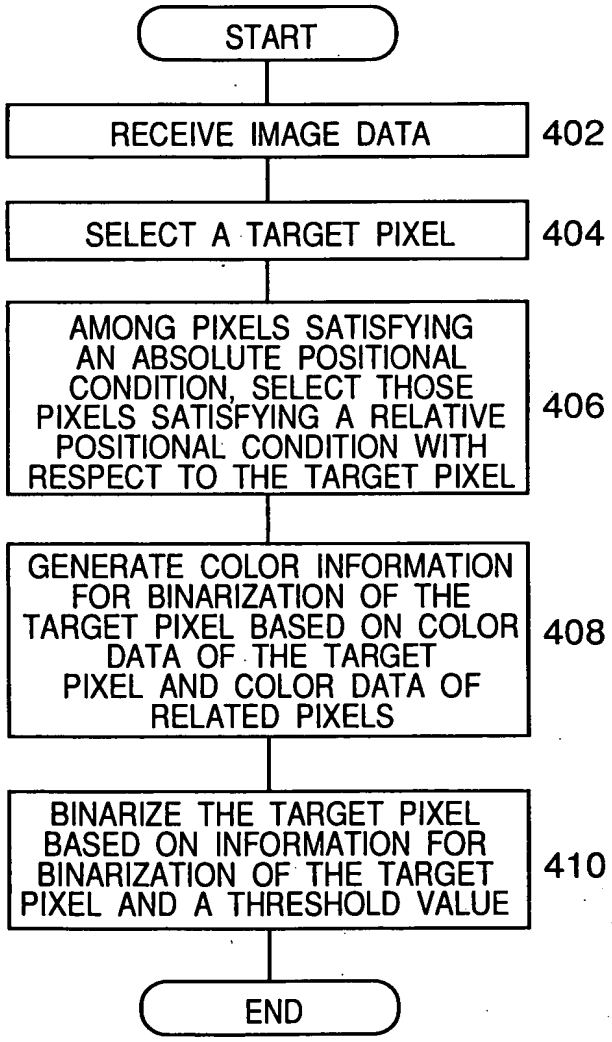


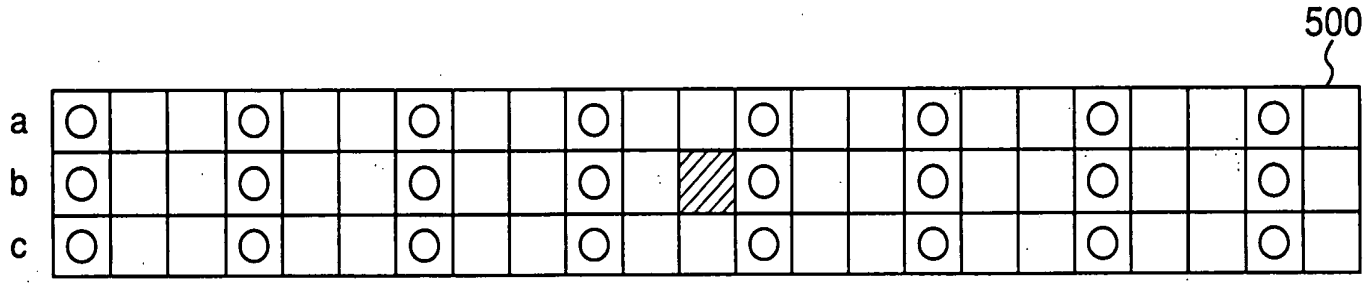
Fig.4



EP 0 954 169 A2

FOTOSO" 6hESh860

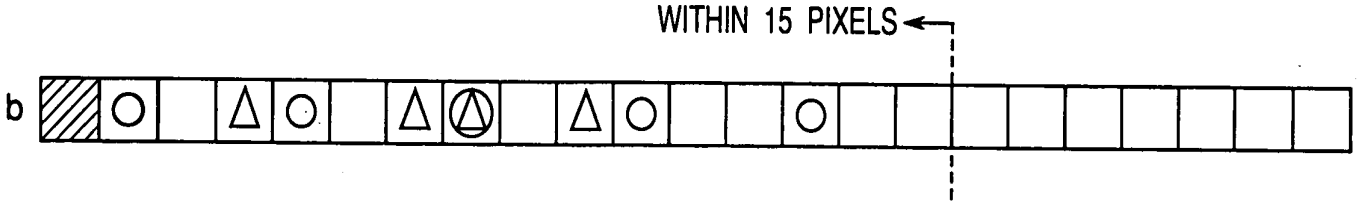
Fig.5



○ : PIXELS SATISFYING AN ABSOLUTE POSITIONAL CONDITION
(3N-NUMBERED PIXELS (N : NATURAL NUMBER))

▨ : TARGET PIXEL 510

Fig.6



▨ : TARGET PIXEL 510

SELECTION OF b : CONDITION (1)
WITHIN 15 PIXELS : CONDITION (2)
△ : PIXEL SPECIFYING CONDITION
○ : ABSOLUTE POSITIONAL CONDITION

Fig.7

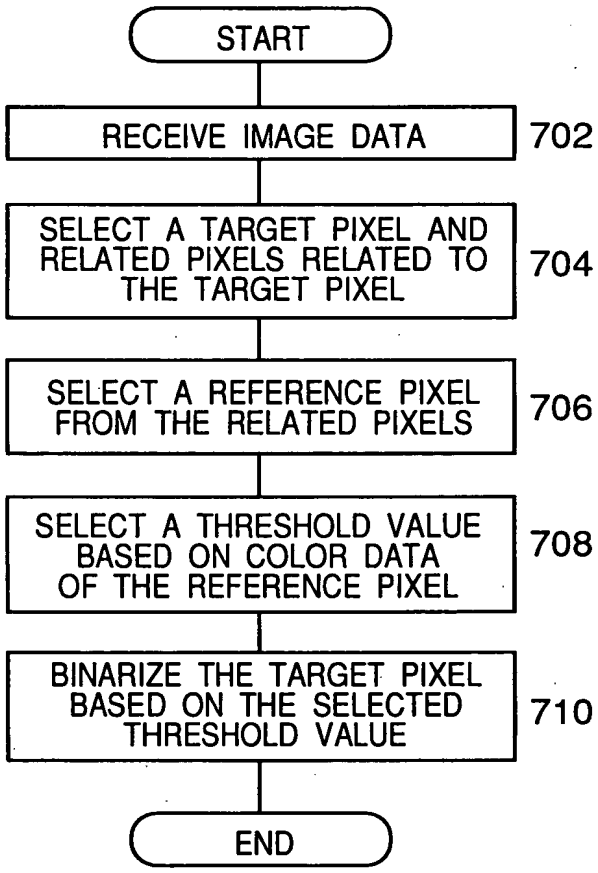

START
RECEIVE IMAGE DATA
702
SELECT A TARGET PIXEL AND RELATED PIXELS RELATED TO THE TARGET PIXEL
704
SELECT A REFERENCE PIXEL FROM THE RELATED PIXELS
706
SELECT A THRESHOLD VALUE BASED ON COLOR DATA OF THE REFERENCE PIXEL
708
BINARIZE THE TARGET PIXEL BASED ON THE SELECTED THRESHOLD VALUE
710
END

Fig.8

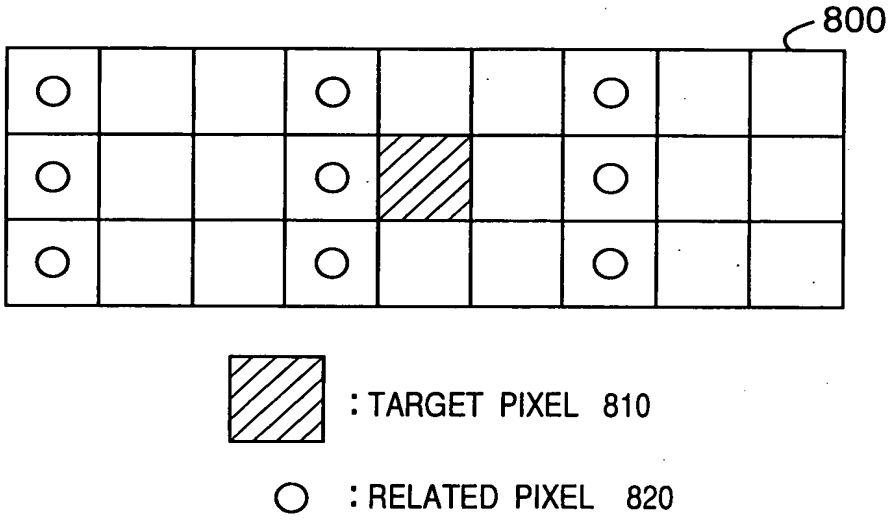
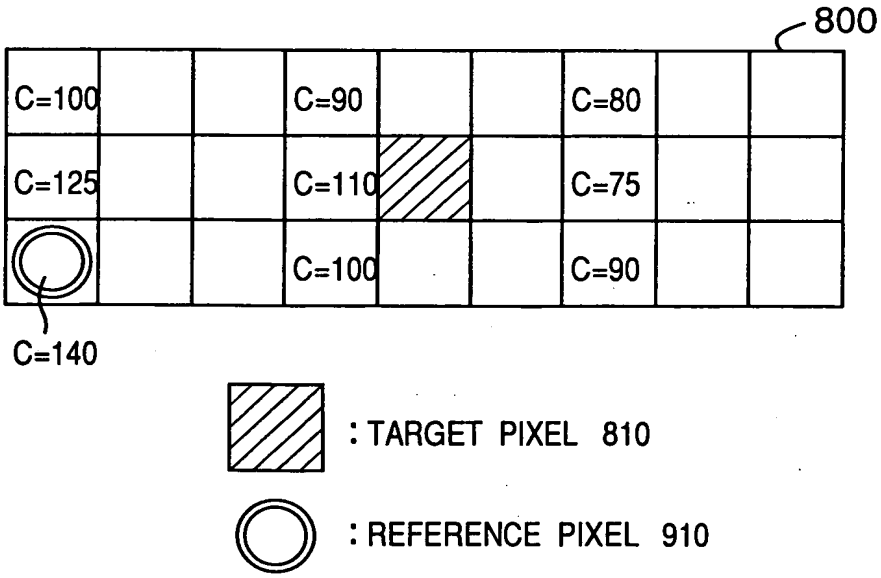

800
: TARGET PIXEL 810
: RELATED PIXEL 820

Fig.9


800
C=100
C=90
C=80
C=125
C=110
C=75
C=100
C=90
C=140
: TARGET PIXEL 810
: REFERENCE PIXEL 910

JP2000-354160A

Fig.10

900

DIVISION	THRESHOLD VALUE (R,G,B)
C≧150	(253 , 237 , 125)
150≧C≧120	(242 , 241 , 0)
C＜120	(192 , 190 , 0)